

# BDA160201

PowerPact - circuit breaker - 20A 1P AC 18kA at 480/440 (UL) - I-Line

Product availability : Stock - Normally stocked in distribution facility



## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 020
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

Line Rated Current	20 A
Poles description	1P
Protected poles description	1t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA at 240 V AC 50/60 Hz according to UL 489 Icu: 25 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 25 kA at 208Y/120 V AC 50/60 Hz according to UL 489 18 kA at 277 V AC 50/60 Hz according to UL 489 14 kA at 347 V AC 50/60 Hz according to UL 489
System Voltage	240 V AC 50/60 Hz according to IEC 60947-2 347 V AC 50/60 Hz according to UL 489
[Ics] rated service breaking capacity	25 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV according to IEC 60947-2
[Ui] rated insulation voltage	800 V according to IEC 60947-2
Trip unit technology	Thermal-magnetic
Trip unit name	TM-D
Suitability for isolation	Yes according to IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 cycles according to IEC 947-1 Annex K ed 5.2
Electrical durability	10000 cycles according to IEC 947-1 Annex K ed 5.2 In at 440 V

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connection pitch	1.06 in (27 mm)
Local signalling	Green flag presence of auxiliary contacts
Mounting mode	I-Line
Electrical connection	I-Line connection at line Lugs at load
AWG gauge	AWG 14...AWG 2/0 (aluminium/copper)
Mounting height	1.5 in (38.1 mm)
Tightening torque	3.6...4.4 N.m 0...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10) 5...6.2 N.m 0.02...0.11 in <sup>2</sup> (10...70 mm <sup>2</sup> ) (AWG 8...AWG 2/0)
Wire stripping length	0.79 in (20 mm)
Colour	Grey (RAL 7016)
9 mm pitches	3
Height	5.39 in (137 mm)
Width	1.06 in (27 mm)
Depth	3.5 in (89 mm)
Product weight	1.41 lb(US) (0.6375 kg)
Quantity per set	Set of 1
Phase connection	A


## Environment

Quality labels	CE
Standards	EN/IEC 60947-2 EN/IEC 60947-5-1 GB 14048.2 NEMA AB1 UL 489 CSA C22.2 No 5 NMX J-266
Product certifications	UL CSA CCC EAC NOM IEC
IP degree of protection	IP40 (front cover) according to IEC 60529
IK degree of protection	IK07 according to IEC 62262
Pollution degree	3 according to IEC 60947-1
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-58...185 °F (-50...85 °C)
Operating altitude	5000 m with derating 6561.68 ft (2000 m) without derating

## Ordering and shipping details

Category	01133 - BDA I-LINE BREAKER
Discount Schedule	DE2
GTIN	003606481172310
Nbr. of units in pkg.	1
Package weight(Lbs)	1.1000000000000001
Returnability	Y

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1644 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>